

gttgccaaca ccacctocag ctagcctgcc tgctgtccac cgacgcgcgc caccaaaatg 2340
 cgtacgcttc gacatgcatg ggcgctgctg ctgtgtgttg tcttaattat actgcgggtg 2400
 cttcgattgt aaccaaagta ggatgatcga aaattctagg atgatgtcca agaaatggga 2460
 tggagaatag atgcatgtac gtgtcctgga tatgaaatit ttttgagtat gagagaacag 2520
 cataccagga tcatgcatct atcttaaadc tcaagaggcc actattaaga cgttgatgtt 2580
 taagacggtg atgttctatt tgcattgtgaa atttcaagtt caaagacggt accatttatg 2640
 agctatggaa tcagccatga atagtgatgt ttactgttga cactattcat tgctgctttt 2700
 gtcttttggg aatgtgtttg aacttggaat ttccacatac taatagaaca tcacactctt 2760
 aagacgtaat atttctttga gattttatit ttgaaacttc gctgaagggt tgctgatgtg 2820
 cccgctattc atctaggaga ctaggaaaat atatgcaaaa aaattcatac atatttaaaa 2880
 atgataaata tgtatagaga aaatgtttat caactataga aaaatatatg caaaaaatat 2940
 aaatatgtat gaatititit agcaagtatt taaatctagc atttgaaaga aaaataaaca 3000
 agtattagaa aaatgttaaa cgtgtataga aaaatgttac catgtaatta aaaattgtat 3060
 aaaattatca tgtattitita aaaaaataac caagcattta aaaacaaata tttaaaaatg 3120
 ttaataaagg atttgaaaaa ttctaaacgt gtatacaaaa atgttgacca tgtattaaaa 3180
 aatgttaatc ttgtatttaa aaatgtaatc aagcatttag aaaaacagtt aaattgtata 3240
 gaaatgtacc cagaaaatct tgatattata ttcaaaaaat gtaatcaagc atttgaaaaa 3300
 tatititaaaa atgtgtatag aaaaaatgtt aacctgtat ttaaaaaatt ttaactttgt 3360
 atttgaaaca tgttaatcat gtattagata tataccaaat atgtatgtaa aataacaatg 3420
 aaaaaccaag ggaacgaaa gaaaaacaaa tgaaaacggg aaaaaacaa aaaatgaagg 3480
 aaaaaaaaga aaaaacattg aaaaccaaga aagaaacaaa gagaaccgga gaataacaaa 3540
 caaaagggaa agaaaagggtg aaaaaactag taaaaacaag aaacaaagaa aaaaggatga 3600
 caaacaaagg aaaaaattaa aaatccggaa aggcaacggt aagacgaact ttttccttca 3660
 agttggtagc gccctaccag ggtaacacga acttgacgat gactttatgg ctaggagagc 3720
 tacgctggaa cgaggagatc cggaccaaac catgtgcgct acaaaaagtgt attattattt 3780
 tttgcaaaaa tgatccgaat ctattatcaa aattcagcga aatacaaaac atctcgaaca 3840
 taatgaacaa tacattgaga ttccaggacc ccaaacaacc actactgcgc cgaagaaaaa 3900
 aggattggga ggacagaaat tatcctaacc acgttcgtcc tcggttgttg gtctcatcgc 3960
 gcgctaaaca acctggacaa cagaaaaggc aaagcagtgt cctccgctcc gcagcaaga 4020
 agacaaatcg tcaattgtca gaggccgtca cccaagcaag caaactgcaa agcttgttcg 4080
 tttggtttat cccgtagtac gcgccaacgc atgtgccgca cccgctttgc ggtggagagc 4140
 gcaggcatgc atcaaccaac aaacgaaaca gtgcagttgc ttacagtgtc ccattccctc 4200
 aaaaaaaaaa gttgcagtg tctatctatc tatctacaca atcaacgogg gccctctgct 4260
 ccttcgcccg aagccccgtt ccgtcctcag tcttcaogtg gattctgcaa cctccttcca 4320
 gcagcttgtc accacggacg ctctcctcgt cgctgctcgc gtggcacogg ccccgctttc 4380
 cagcgtgtc cgcgcgggcc gcggcgcaa atcgcagacc caacacgcca cccgccaggg 4440
 ggccgttcgt acgtaccgc cctcctgtga aagccgcgc cgctcgtcgc gtcccccgct 4500
 cgcgccatt tccccgcct gaccccgctg gtttaccoca cagagcacac tccagtccag 4560
 tccagccac tgccgcgcgc ctactcccca ctcccgtgc caccacctcc gectgcgcgc 4620
 cgctctgggc ggaggaccaa cccgcgcac gtaccatcgc ccgcccgat cccggccgc 4680
 gccatgtcgt cggcggtcgc gtcgcgcgc gcctcctcgc cgctcgcctc cgcctcccc 4740
 gggagatcac gcaggcgggc gaggtgagc tcccgccac cccacgcogg ggcggcagg 4800
 ctgcaactgc cgcgtggcc gccgcagcgc acggctcgc acggaggtgt ggccgcgcgc 4860
 gccgcggga agaaggacgc gaggtcgac gacgacgcgc cgtccgcgag gcagccccgc 4920
 gcacgcgcgc gtggcgccgc caccaaggta gttggttcgt tatgacttgc tgtatggcgc 4980
 gtgcgcctcg agatcagctc acgaattgtt tctacaaaac gcacgcgcgc gtgtgcaggt 5040
 cgcgagcgcg agggatcc 5058

<210> 2

<211> 844

<212> DNA

<213> *Triticum aestivum*

<400> 2

tctagagagg tcacccgtca gtctatccta agcgtgaagg ggtcatgagc caatcactct 60
 aagcactcct gcacgtggcg gactcgtcgc gggaccaagc ccactctat atacacagca 120
 ggcattgcgc tcacccaac aatcagcccg cagtctgtac tgtgacatca ggagagctt 180
 tcgggaggaa ctgacgacgc tgaggggccc atacaccata atcccacggg gtgattagt 240

```

tgtatatgcc agtgacagtc tcagatcaaa tactcaaato ttgttgagcg tgttattaag 300
aaataacott ggacatcgac cagggcccag gccacttct ctcctaggtg gtctctacct 360
gccttgctgt tccgccacgt tgaatcactc gaggtctgtg ggaacccagg cctatcacta 420
cctagatggt accatctatt ccttcagccc ttagttcgaa cattatcata agtattacgt 480
tattatatag tatactctgtg atcattggcc aaagagacca cggtcaata atgtagcaat 540
gcaaacggtg agactctagc agacaactaa catttattta ctttgcagcg aagcacgggt 600
gattcaagat agttctaatt tttttaaaga cggttotaat tctttttttt acggcaacac 660
ggttctaatt ctaccgttgc aacgcacaag gagatgtgct ggtctctaac aatgtatgta 720
ggagtttttt gttgcatgga tcggacggtt gaagatcgta atataagtca cctttgacgg 780
tcgggaaaaat ggoggttatt tctgtgtttt cagacgggtg acgcctggca atcaccccaa 840
aaat

```

```

<210> 3
<211> 880
<212> DNA
<213> Triticum aestivum

```

```

<400> 3
atTTTTgtat gGagGagga tCaCctGccg cGgGctGaca tCcGccacat cagtaggtta 60
ggCcaactcc tCcGcttGcc accGaattaa gctcGctgaa aagttccct cccGacgctt 120
cGcaggtagg taggtGcatc catccccaac tcccGgGccg tGcGcAcac ccccatctat 180
atatGcaaat ccagtcCatt cctgatcaac caggacttga ttagtagagc aagaggcctg 240
aacaagcagc cGctcGcaga tcatcGacat gggttGtgag aggacGccGc tggccGttGc 300
tctggcactg gCctGctcc tggGcctGc ccacGgGac gtggTgcagt tcatcttcGg 360
cGactcGctg tcggacgtgg gCaacaacaa ctacctgacc aagagcctcG cGcGcGcGc 420
gtGcGctgg tacggcatG acttcGgCag cggcatGccc aacGgcaggt tctGcaacGg 480
ccGcaacGtc gGgacatca tGgGcGacaa gatggGctc cGcGccGc cGcGttcct 540
ggacccGtcc gtggacgaga cGtcatGc caagagcGc ctcaactacg cgtccGgGcG 600
cGgGcGcatc ctcaacgaga cctcGtccct cttcGtaaga caccatcca tcacttcacc 660
aacttctcgt agctagacag catggtagta tcatgagaca tgaacGctcc ggttcGatca 720
tcGcatctga ctgagaccca tggGcGatGc atttGcagat ccagaggTtc tcGctgtaca 780
agcagatcga gctgttccag gggacGcagG cgttcatGcG ggagaagatc gggcGgGcGg 840
cGgGgacaa gctgttcGgc gaggcctact acgtggtGgc
880

```

```

<210> 4
<211> 516
<212> DNA
<213> Triticum aestivum

```

```

<400> 4
catggGcGcc aacGacttca tCaacaacta cctGctcccc gtctactcG actcgtggac 60
ctacaacGgc gacaccttcG tCaagtacat ggtcaccacc ctggaggccc agctccggct 120
cctGcagGgG ctggGcGcGc gCcggtcac cttcttcGgg ctggGgcccG tggGctGcat 180
cccGctGcag cGgtcctGc agaggctcct cagGcGtGc caggagtcca cCaacaagct 240
cGccctcagc ttCaacaagc aggcGgGcGc ggtgatcagg gagctggGgG cgtcGctGcc 300
caacGccacg ttccagttcG gggacgtcta cGactacttc caggacatca tcGacGcGcc 360
ctacatGcac ggcttCaaca actcccacGc gcctgctGc acGctcGgca aggtGcGgGc 420
gaccctGacg tGcaccGcGc tctccacGct ctGcaaggac cGcagcaagt acgtgttctG 480
ggacgagtag caccGccGcG acaggGccaa cGagct
516

```

```

<210> 5
<211> 502
<212> DNA
<213> Triticum aestivum

```

```

<400> 5

```

```
<210> 6
<211> 261
<212> DNA
<213> Triticum aestivum
```

```
<210> 7
<211> 327
<212> DNA
<213> Triticum aestivum
```

```
<210> 8
<211> 236
<212> DNA
<213> Triticum aestivum
```

```
<210> 9
<211> 504
<212> DNA
<213> Artificial Sequence
```

<400> 9

```

ctagtaaaaa caagaaacaa agaaaaaagg atgacaaaaca aggaaaaaaa ttaaaaatcc 60
ggaaaggcaa cggtaagacg actctttttcc ttcaagttgg tagcgcccta ccagggtaac 120
acgaacttga cgatgacttt atggctagga gagctacgct ggaacgagga gatccggacc 180
aaaccatgtg cgctacaaaa gtgtattatt attttttgca aaaatgatcc gaatctatta 240
tcaaaattca gcgaaatata aaacatctcg aacataatga acaatacatt gagattccag 300
gaccccaaac aaccactact gccgcgaaga aaaaaggatt gggaggacag aaattatcct 360
aaccacgttc gtccctcggtt gttggtctca tcgcgcgcta aacaacctgg acaacagaaa 420
aggcaaagca gtgtcctccg ctccgcagca aagaagacaa atcgtcactt gtcagaggcc 480
gtcacccaag caagcaaact gcaa                                     504

```

```

<210> 10
<211> 441
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> Description of Artificial Sequence: -

```

```

<400> 10
agcttggttcg tttggtttat cccgtagtac gcgccaacgc atgtgcgcga ccgcgtttgc 60
gttgagagagc gcaggcatgc atcaaccaac aaacgaaaca gtgcagttgc ttacagtgc 120
ccatccctcc aaaaaaaaaa gttgcagtgc tctatctatc tatctacaca atcaacgcgg 180
gcctcctgct ccttcgcgcg aagccccgtt ccgtcctcag tcttcacgtg gattctgcaa 240
cctccttcca gcagcttgtc accacggacg cttcctcgtg cgctgctcgc gtggcaccgg 300
ccccgctttc cagcgtgctc cgcgcgggcc gcggccgcaa atcgcgagcc caacacgcca 360
cccgccaggg ggcggttcgt acgtaccgcg ccctcgtgta aagccgcgcg cgtcgtcgcg 420
gtcccccgct cgcggccatt t                                     441

```

```

<210> 11
<211> 20
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> Description of Artificial Sequence: Primer

```

```

<400> 11
ctgctggaca ggatatggaa                                     20

```

```

<210> 12
<211> 20
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> Description of Artificial Sequence: Primer

```

```

<400> 12
tcgcgctgca gggcctcctt                                     20

```

```

<210> 13
<211> 21
<212> DNA
<213> Artificial Sequence

```

<220>

<223> Description of Artificial Sequence: -

<400> 13

tcacgtggat tctgcaacct c

21

<210> 14

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 14

caggacggac catggcggcg gccgggat

28

<210> 15

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 15

cgccgccatg gtccgtcctg tagaaacct

29

<210> 16

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 16

gtgatgtcag cggtgaactg c

21

098959-00001